Cecil County Department of Public Works
Phase II MS4

Development Services
Department of Public Works
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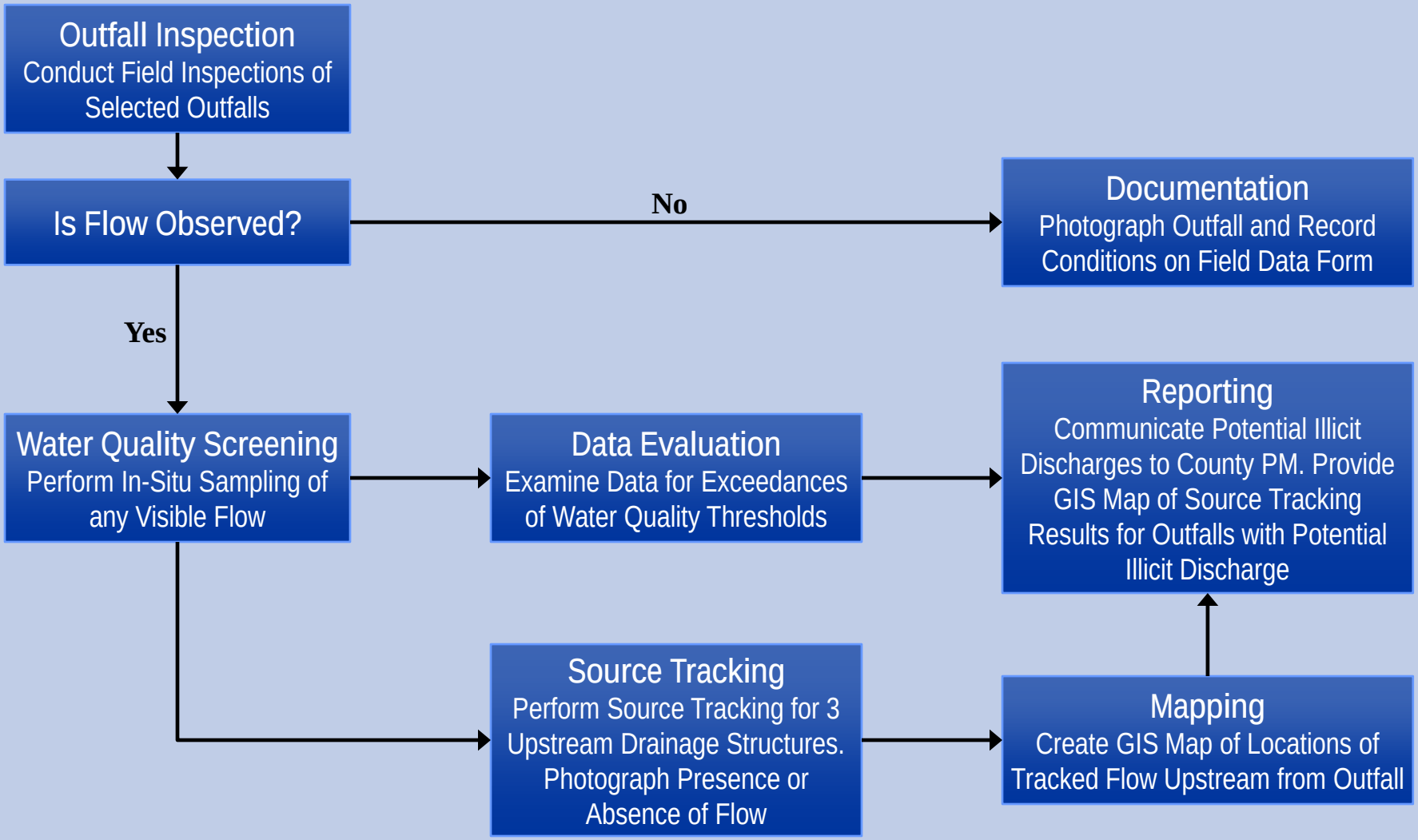
Cecil County's IDDE Program

- General Overview of IDDE Program
- Outfall Field Inspection Procedures
- Data Evaluation and Reporting Procedures
- MS4 Program Inspection
- MS4 Program Inspection Observations and Recommendations
- IDDE Program Manual
- ArcGIS Online Tool
- Questions and Answers

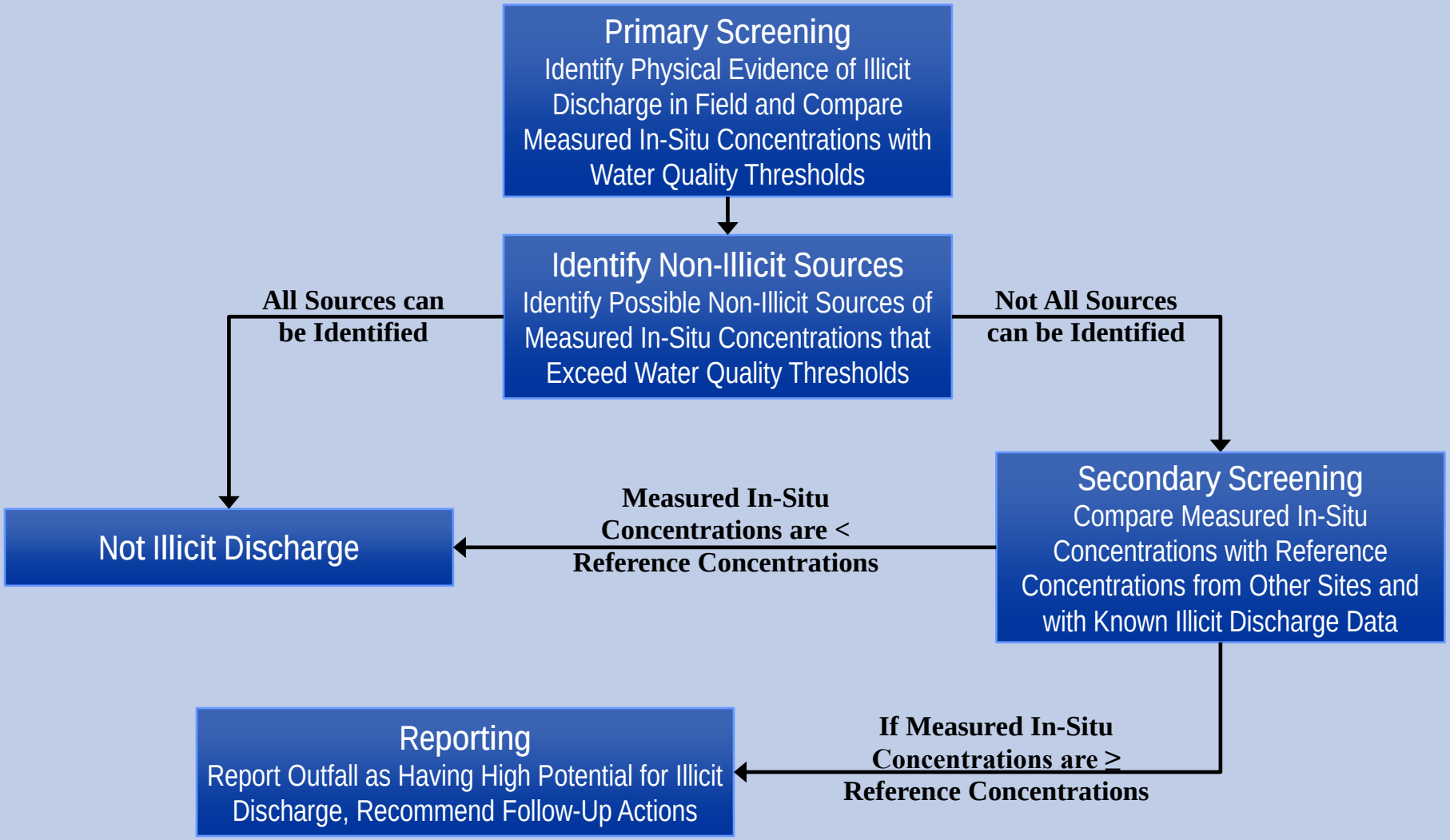
General Overview of IDDE Program

- Contracted EA Engineering, Science, and Technology, Inc., PBC to assist with IDDE Program
- Established protocols for field screening, data evaluation, and reporting
- IDDE permit requirements
  - Field screen ≥100 outfalls annually
  - Physical parameters and water quality sampling testing
  - Georeference outfalls
  - Annual NPDES Reporting

Outfall Field Inspection Procedures



Data Evaluation and Reporting Procedures



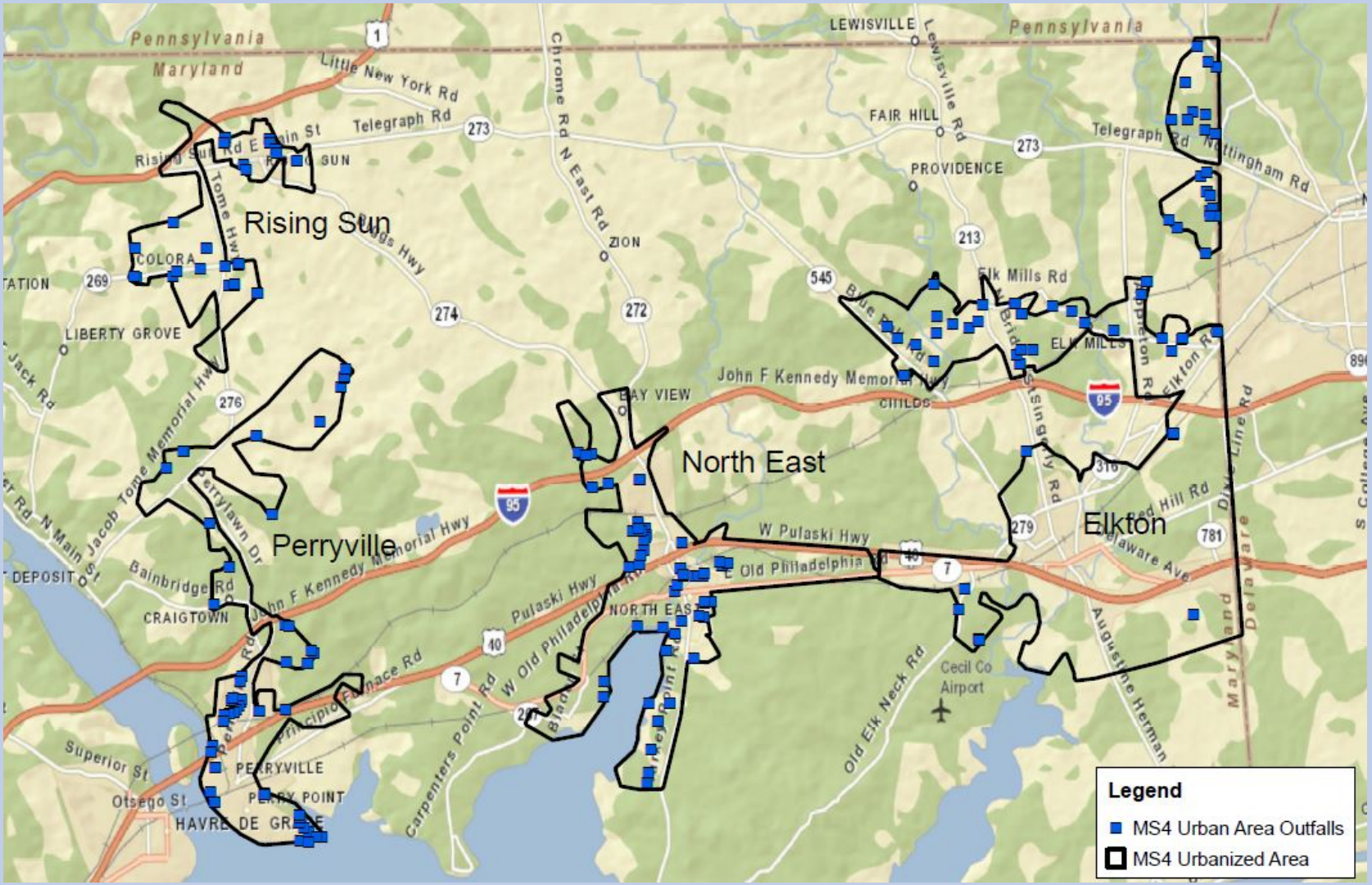
MS4 Program Inspection

- MS4 Program Inspection
  - April 2015
  - IDDE and Pollution Prevention/Good Housekeeping for Municipal Operations
  - Construction Site Stormwater Runoff Control and Post-Construction Stormwater Management

MS4 Program Inspection Observations and Recommendations

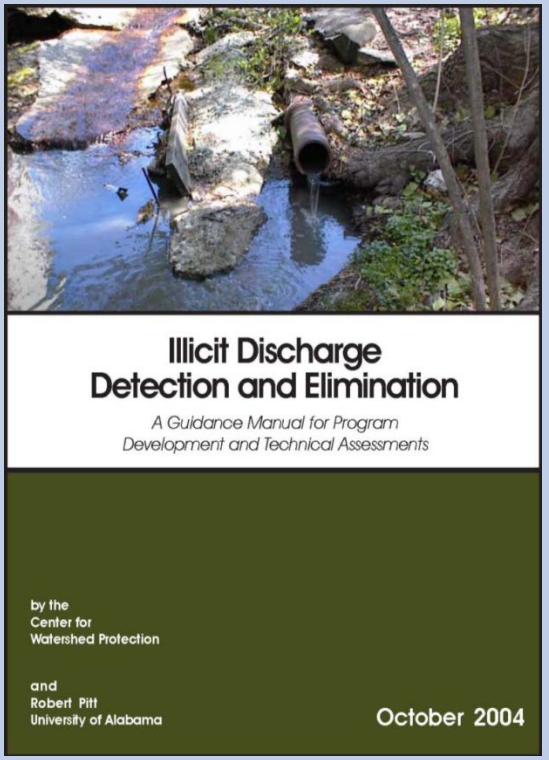
- Observations and Recommendations
  - IDDE Program Manual
    - Formalize and document IDDE procedures
  - Confirm Regulated MS4 Urbanized Area Outfalls
    - GIS mapping
    - Windshield Surveys
    - Physical Parameters
    - Prioritize and select outfalls for future inspections
    - Developed an ArcGIS Online Tool

MS4 Urbanized Area



IDDE Program Manual

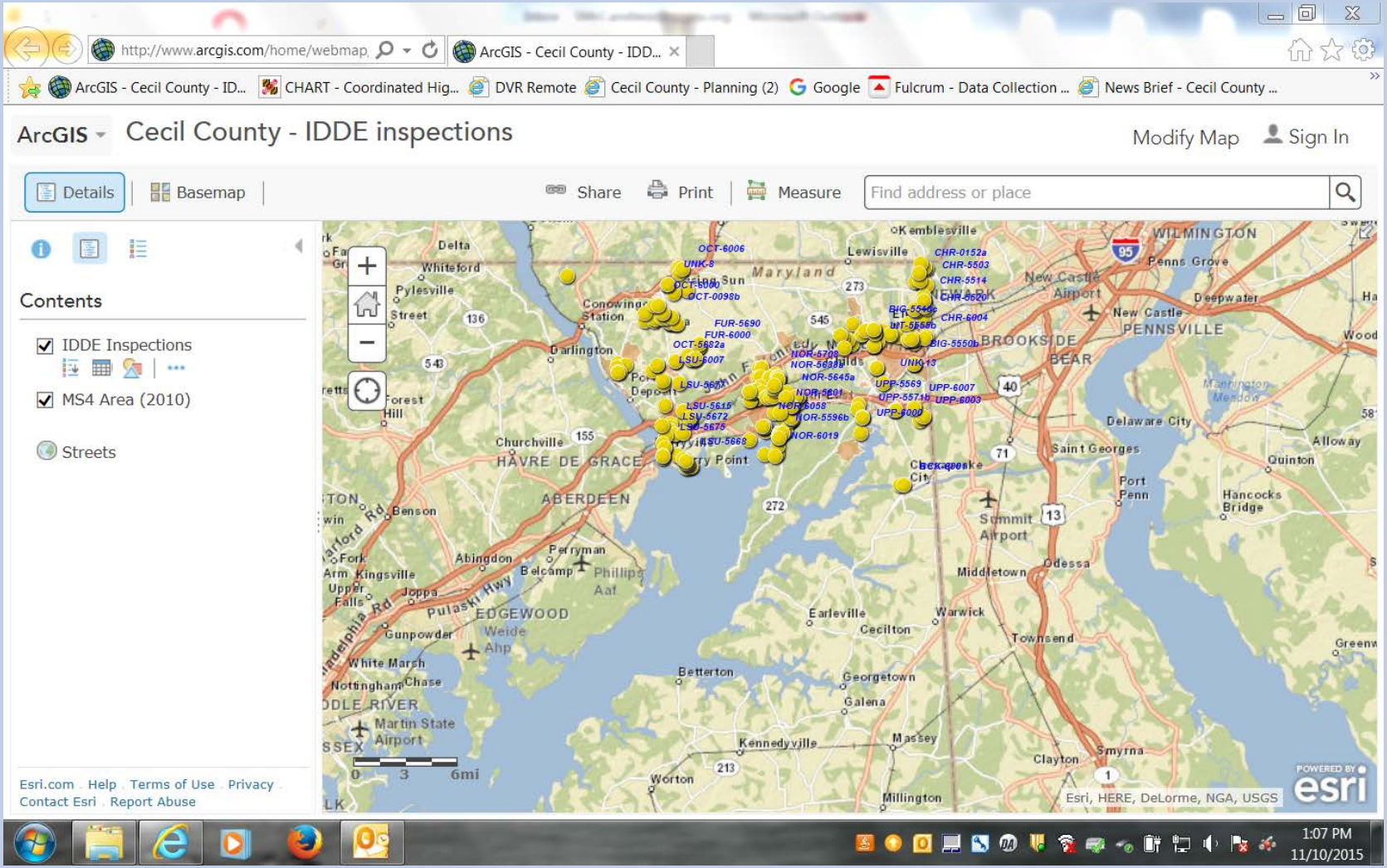
- Guidance Documents
  - CWP IDDE Guidance Manual
  - NPDES Phase II Permit Requirements
    - Storm sewer system map
    - Identify procedures to prevent, investigate, identify, eliminate, and enforce illicit discharges
    - Procedures to address spills and illegal dumping
    - Public education and outreach



ArcGIS On-line Application

- MS4 Urbanized Area Outfalls
  - Geographic locations
  - Field Data
  - Photographs
- Storm Drain System

ArcGIS On-line



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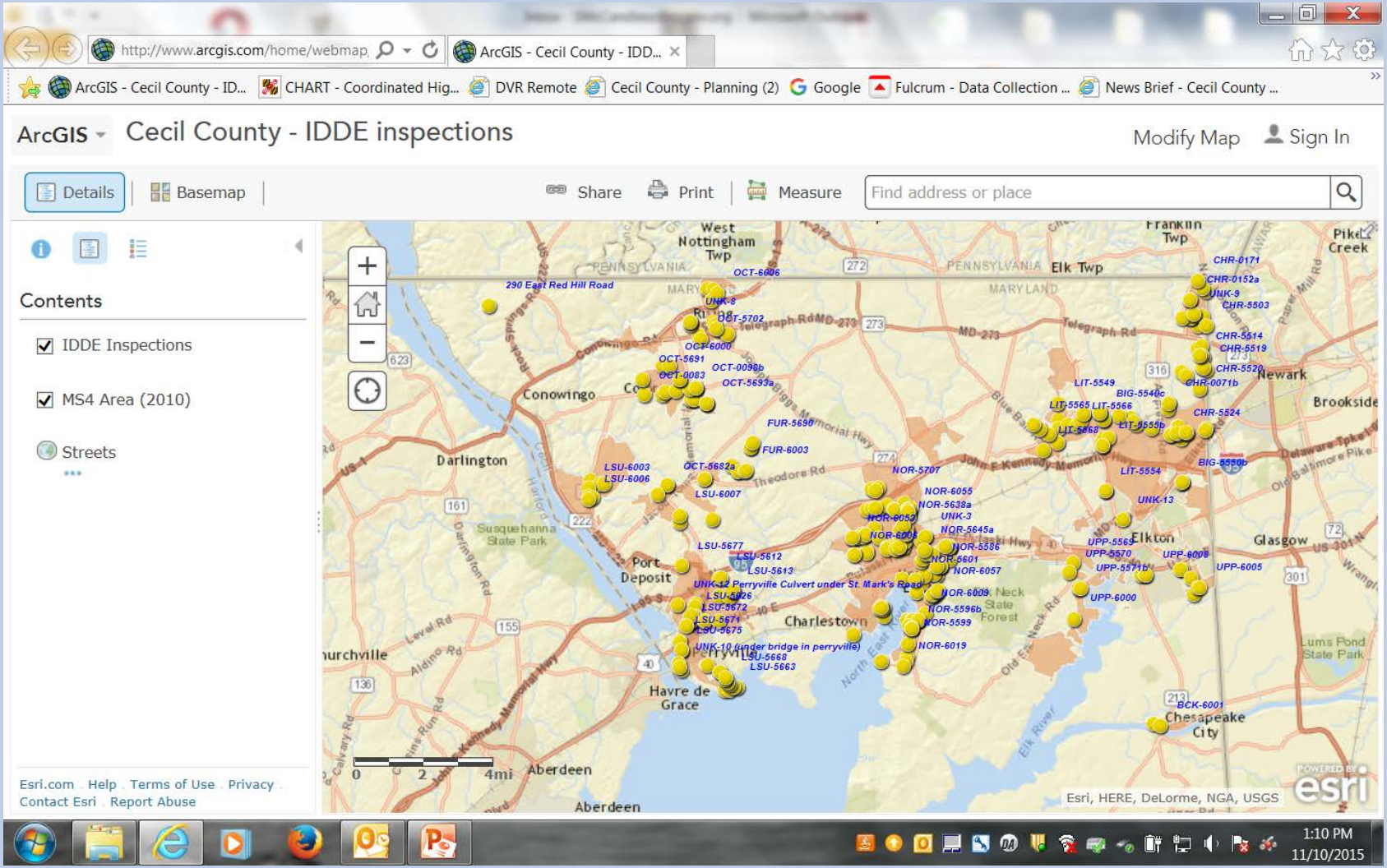

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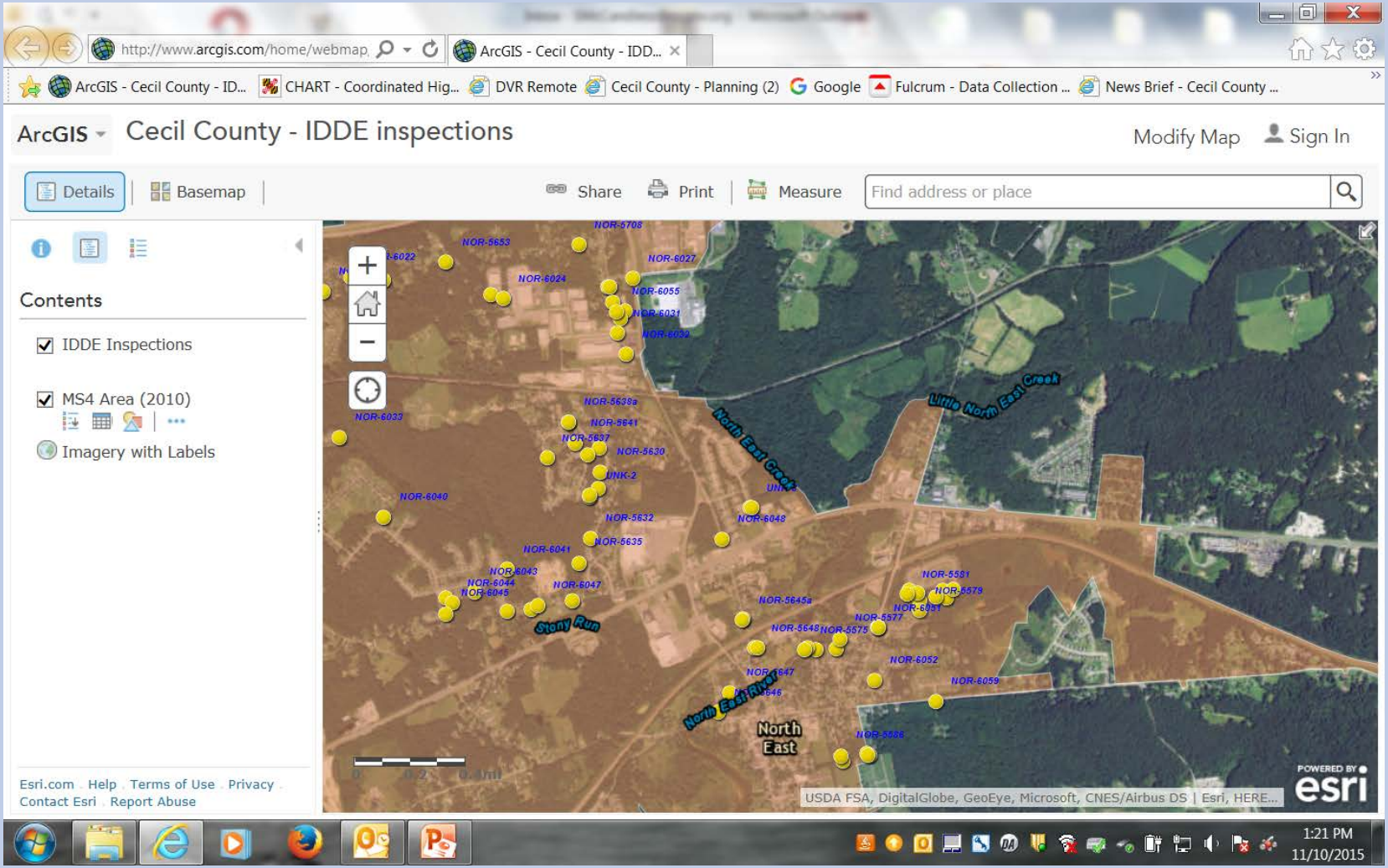

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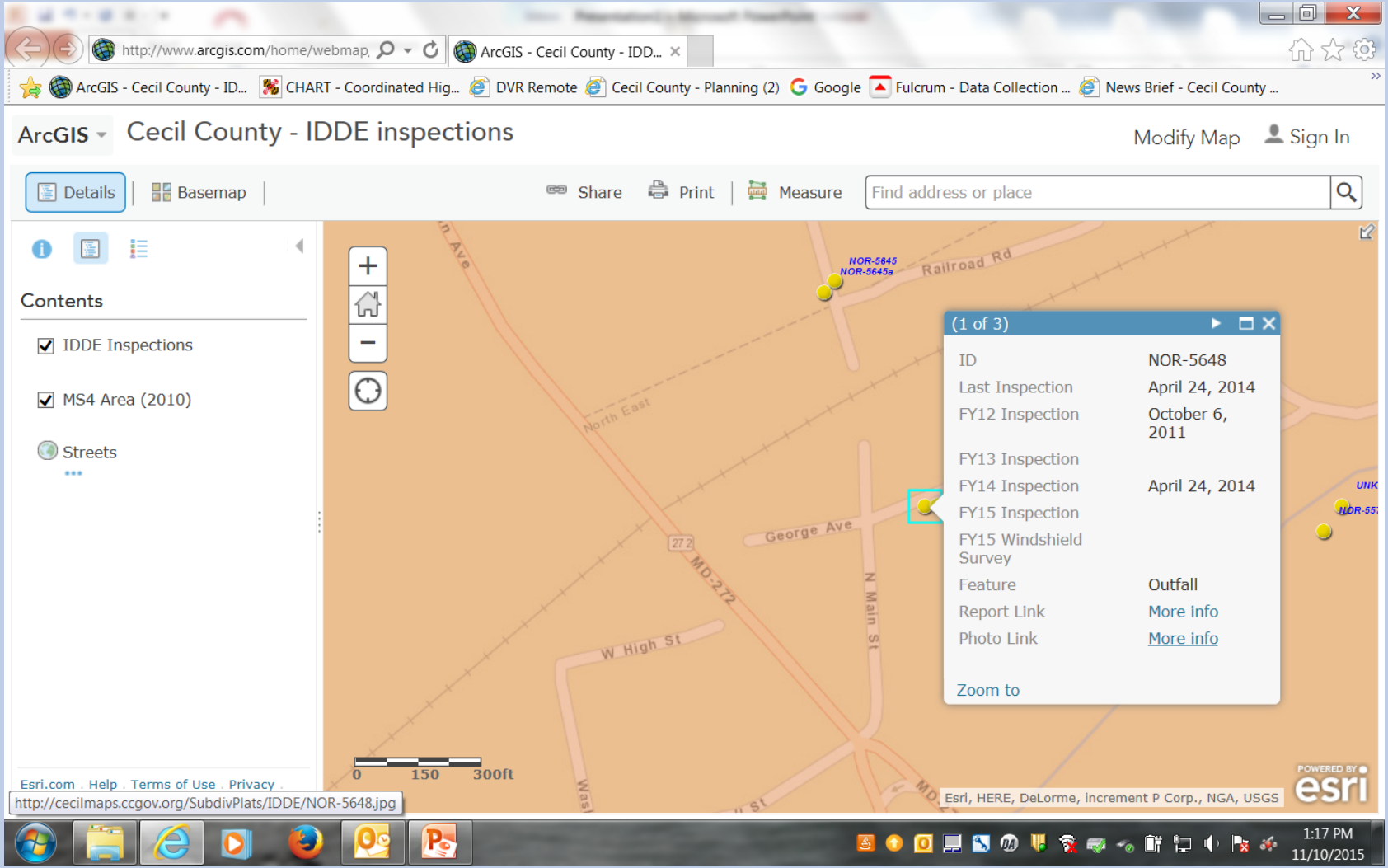

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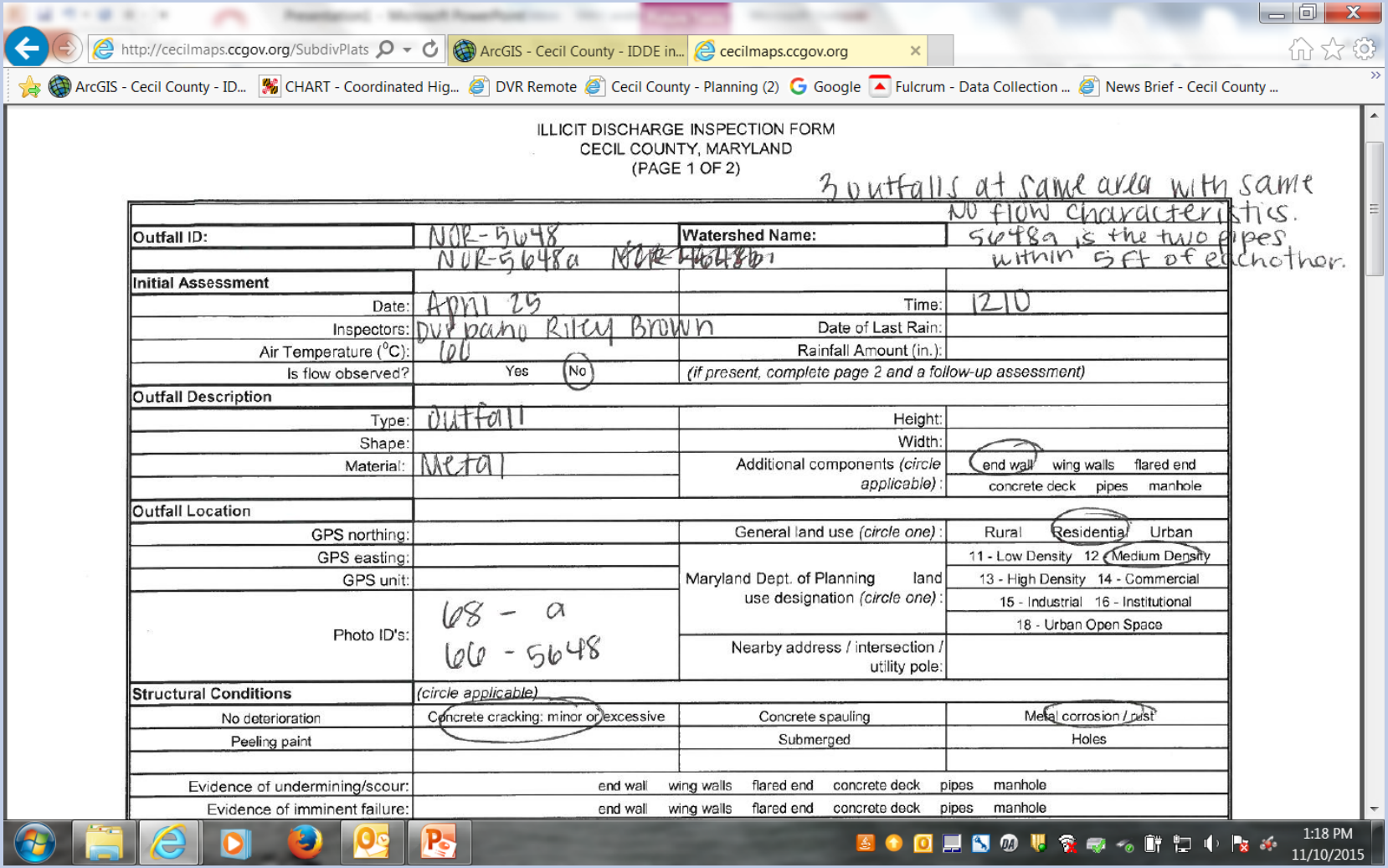


http://cecilmaps.ccgov.org/SubdivPlats — ArcGIS - Cecil County - IDDE in... — cecilmaps.ccgov.org

ArcGIS - Cecil County - ID... | CHART - Coordinated Hig... | DVR Remote | Cecil County - Planning (2) | Google | Fulcrum - Data Collection ... | News Brief - Cecil County ...

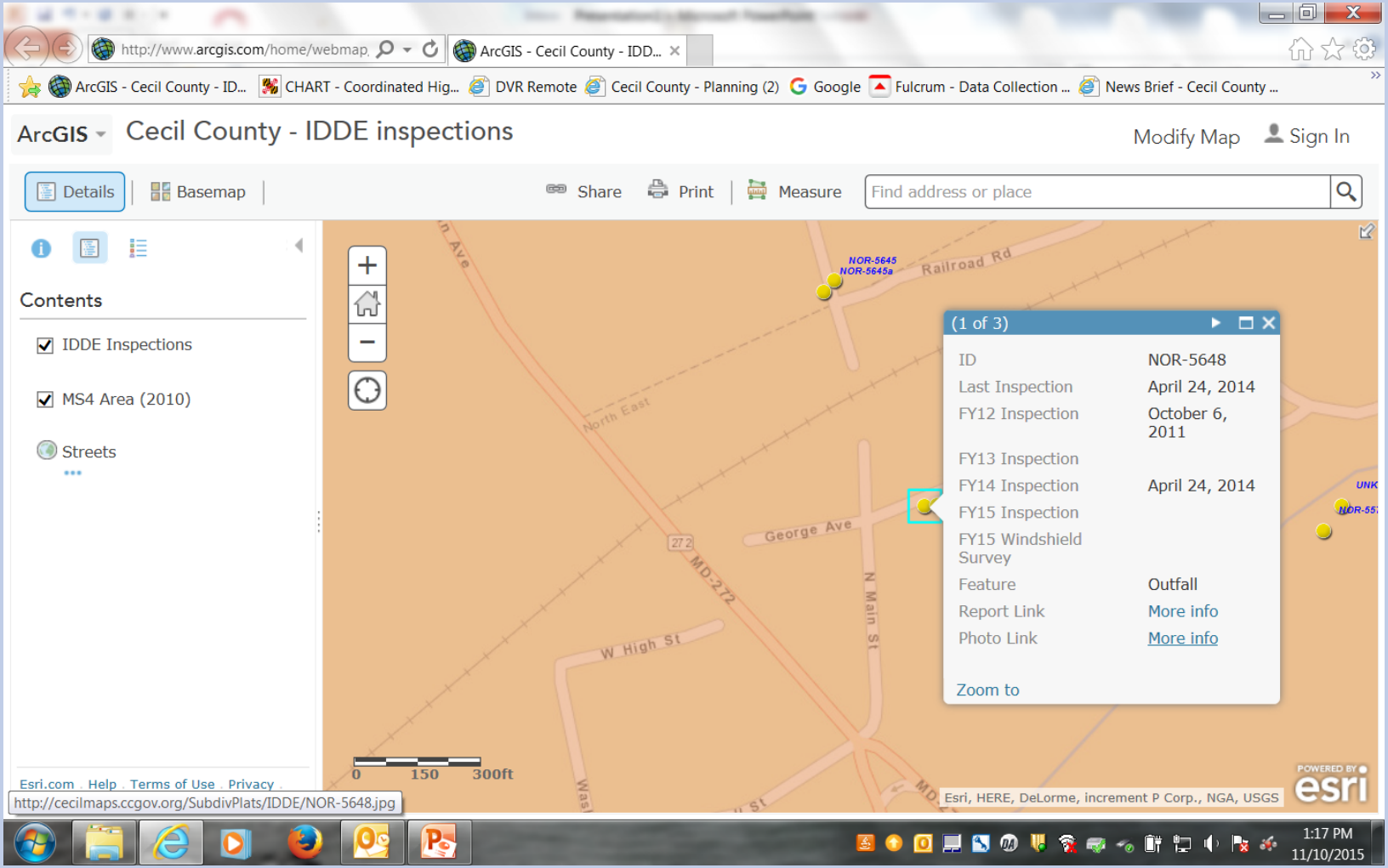
ILLICIT DISCHARGE INSPECTION FORM
CECIL COUNTY, MARYLAND
(PAGE 1 OF 2)

3 outfalls at same area with same NO flow characteristics. 5648a is the two pipes within 5ft of eachother.

Outfall ID:	NOR-5648 NOR-5648a NOR-5648b	**Watershed Name:**	
Initial Assessment			
Date:	April 25	Time:	1210
Inspectors:	DVR pano Riley Brown	Date of Last Rain:	
Air Temperature (°C):	60	Rainfall Amount (in.):	
Is flow observed?	Yes (No)	*(if present, complete page 2 and a follow-up assessment)*	
Outfall Description			
Type:	Outfall	Height:	
Shape:		Width:	
Material:	Metal	Additional components *(circle applicable)*:	(end wall) wing walls flared end concrete deck pipes manhole
Outfall Location			
GPS northing:		General land use *(circle one)*:	Rural (Residential) Urban
GPS easting:		Maryland Dept. of Planning land use designation *(circle one)*:	11 - Low Density 12 - (Medium Density) 13 - High Density 14 - Commercial 15 - Industrial 16 - Institutional 18 - Urban Open Space
GPS unit:			
Photo ID's:	68 - a 66 - 5648	Nearby address / intersection / utility pole:	
Structural Conditions	*(circle applicable)*		
No deterioration	(Concrete cracking: minor or excessive)	Concrete spauling	(Metal corrosion / rust)
Peeling paint		Submerged	Holes
Evidence of undermining/scour:	end wall wing walls flared end concrete deck pipes manhole		
Evidence of imminent failure:	end wall wing walls flared end concrete deck pipes manhole		

1:18 PM
11/10/2015

ArcGIS On-line



ArcGIS On-line

Questions?

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